What is claimed is:

- A polymeric electroluminescent device comprising:

 an emitting layer, which includes at least metal nanoparticles and a luminescent

 polymer;
 - a cathode layer disposed on one side of the emitting layer; and an anode layer disposed on the other side of the emitting layer.
- 2. The polymeric electroluminescent device of Claim 1, wherein upon application of a bias voltage across the anode and cathode layers, holes and electrons are injected respectively from the anode and cathode layers to the emitting layer.
- The polymeric electroluminescent device of Claim 1, wherein the metal nanoparticle is one selected from a group of Au, Ag, Pt, Ni, Fe, Co and Ge.
- The polymeric electroluminescent device of Claim 1, wherein the luminescent polymer generates light with a wavelength between 400 and 800 nm.
- 5. The polymeric electroluminescent device of Claim 4, wherein the luminescent polymer is one selected from a group of poly(dihexylfluorene), poly(phenylenevinylene) and poly(dioctylfluorene).
- The polymeric electroluminescent device of Claim 5, wherein the metal nanoparticles are 1 to 100 nm in size and mixed with the luminescent polymer at a volume

fraction of 1×10^{-9} to 0.1.

- The polymeric electroluminescent device of Claim 6, wherein the metal nanoparticles are gold nanoparticles and the luminescent polymer is poly(dioctylfluorene).
- 8. The polymeric electroluminescent device of Claim 7, wherein the gold nanoparticles are 5 to 10 nm in size.
- 9. The polymeric electroluminescent device of Claim 1, wherein the emitting layer includes metal nanoparticles, which are formed by coating the surface of inorganic particles or polymeric particles with a metal, and a luminescent polymer, at a volume fraction of 1×10^{-9} to 0.1.